Elton Xavier Joseph Costa

Margao, Nuvem-Guirim - Goa. 403601, Hno:42 | +91 9604344945 | elton02costa@gmail.com
Github/ryzxxn | eltoncosta.xyz | Linkedin/elton-costa-ab8500219

Work Experience

Hexcoderz, Vasco da Gama - Goa (Intern) **Sep 2021 - Nov 2021**
Developed proficiency in UI/UX fundamentals, Figma, HTML, CSS, and JavaScript. Project lead
Club Mahindra Resort, Varca Beach - Goa (Intern) **Jun 2022 - Jul 2022**
improved and maintained hotel guest wireless networks for smooth operation. Network Administrator
YUVA panaji Website - Goa (Fullstack, Developer) **Apr 2024 - May 2024**
Led the design and development of the website Project lead
Designed and integrated a dashboard to manage content on the website

Projects

Axon
- Enables users to submit Study material to generate a quiz of minimum 10 questions, this allows the user to benchmark themselves to know how much they have studied.
- Leveraged GPU Acceleration to speed up response time by 88% (from 50s - 6s)
- Integrated a RAG system, users can ask questions to the document and axon will reply with the most correct and suitable answer from the documents.
  https://github.com/ryzxxn/Axon

LeafSync
- Engineered a SQL database management tool which allowed me to make and view updates to my Database in real time, ensuring a Seamless user experience.
- Achieved efficient CPU usage (0.3%) and optimized RAM usage (30-90MB) for enhanced performance.
- Rendering and state-dependent views loads in an instant (90% faster then something like PhpMyAdmin)
  https://github.com/ryzxxn/LeafSync/

Personal Image Storage
- Implemented Images/Gifs storage and delivery using the imgBB API for over 10+ users.
- Unlimited Storage, upload up to 32mb/image enough for 90% of images captured by modern camera devices.
- Extended it Privacy and security by implementing Google Authentication
  https://pis.netlify.app/

memory-state(State-management npm library)
- Published a npm package in javascript that allows users to Manage, Call, Pass and Clear states that can be used within your application.
- Easy to install by using npm package manager, User friendly syntax.
- Downloaded and used by more than 300 users.
  https://www.npmjs.com/package/memory-state

Skills & Other

Languages C/C++, Javascript, HTML, CSS, Java, Typescript, Python, PHP, SQL, NoSQL, Shell
Technical React.js, Next.js, Express, Three.js, Websockets, flask, AWS, Google Cloud , Docker, Figma, Blender , Photoshop, PremierPro, React Native, Data Structures, AI, Machine Learning, LLM, FastAPI, CLI, CI/CD, Github, Linux, Latex, Data Analysis, Database Design, MongoDB, System Design, Firebase, Auth
Soft-skills Leadership, Open, Public Speaking, Prioritization, Analytical Reasoning

Achievements

Machine learning (trained a machine learning model to recognize numbers in my handwriting)
- Trained a machine learning model using keras and tensorflow to recognize handwritten digits
  https://ai-nr.netlify.app/

Project Exhibition
- Runner up for a project exhibition, where we displayed our project evergreen (plant, and essentials e-commerce platform),This netted us the attention of a few founder of startup that we later collaborated on how we could play a crucial role in bridging the gap between clients and suppliers by providing a platform to showcase their trades

API (MISTRAL) LLM running on local-CPU https://github.com/katanaml/llm-mistral-invoice-cpu **(OpenSource)**
- Integrated accessibility and ease of use by replacing CLI (Command Line Interface) with an API

Hackathon (24h)
- Participated in a Hackathon at Goa College of Engineering Where I first worked on **Axon**,This gave me a great perspective on Time management, how to work in a team, Adapt to new technologies and defining clear Goals and working relentlessly to achieve them

Education

Bachelor's Degree in Computer Engineering Fatorda, Goa **Apr 2022 - May 2025**
Don Bosco College of Engineering CGPA: 7.00
Diploma in Computer Engineering Verna, Goa **Jan 2019 - mar 2022**
Agnel Polytechnic CGPA: 8.00

Extra Curricular

- Inter-School art competition : Secured 1st place.
- Organized Incarnate an inter-College, School, Diploma Artwork competition,45+ students participated.